



National Weather Service

Storm Data and Unusual Weather Phenomena



January 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
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KANSAS, Southeast

KSZ052>053-067>069-082>083-091>093 **Marion - Chase - Reno - Harvey - Butler - Kingman - Sedgwick - Harper - Sumner - Cowley**

29	1500CST	0	0	15M	Winter Storm
31	0900CST				

On the 28th, an Arctic Front surged south across Kansas, leaving a shallow layer of sub-freezing air in its wake. Meanwhile, an 850mb low was positioned over New Mexico. As the 850mb low moved east across New Mexico on the 29th and 30th, much warmer, moisture-laden air was transported north across the southern plains in a layer approximately 3,000 feet thick, trapping the sub-freezing layer beneath. On the evening of the 30th, the 850mb low crossed the New Mexico/Texas border. A mid-upper level trough moving east across the southern Rockies provided sufficient lift across the region

Widespread freezing rain and sleet developed late in the afternoon of the 29th across south-central Kansas and continued through the night of the 30th, eventually changing to snow early on the morning of the 31st. The result was a major ice accumulation of 1-2 inches on trees and power lines across south-central Kansas that severed power to much of the area. The most prolonged power outages occurred across southeast Butler and Cowley Counties where the outages lasted for nearly a week. Trained spotters and area newspapers contributed greatly to this report

KSZ032>033-047>052-067>068 **Russell - Lincoln - Barton - Ellsworth - Saline - Rice - McPherson - Marion - Reno - Harvey**

29	2000CST	0	0	Heavy Snow
31	0900CST			

The same winter storm that produced widespread freezing rain and sleet across south-central and southeast Kansas brought heavy snow to central and part of south-central Kansas. The greatest accumulations, 8-12 inches, buried that part of central Kansas along, and northwest, of a line from Great Bend to Salina. Areas to the southeast of this line, specifically Rice, McPherson, Marion, Reno, Marion and most of Harvey Counties received accumulations of 4 to 6 inches by the morning of the 31st. However, in the latter case, the snow was occasionally mixed with freezing rain and sleet, producing a thin layer of ice atop the snow. Travel was treacherous, with snow emergency procedures implemented.

KSZ070>072-094>096-098>100 **Greenwood - Woodson - Allen - Elk - Wilson - Neosho - Chautauqua - Montgomery - Labette**

30	0800CST	0	0	25M	Ice Storm
31	1200CST				

The same winter storm that all but paralyzed south-central Kansas hit southeast Kansas early on the morning of the 30th and lasted well into the morning of the 31st. Freezing rain was almost solely responsible for ice accumulations of 1-2 inches that caused widespread tree and power line damage. The resulting power outages affected nearly all of the region and lasted, in some cases, nearly a week.